

The Knowledge Bank at The Ohio State University

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How to put a polish on a Latch String!



From that modern latch string, the doorknob on your front door, straight back to the lock on your back door, there is practically nothing in your home that has not been ground, finished or sanded by such abrasive products as are made by "CARBORUNDUM." They have ground and polished the metal parts of your kitchen stove, bathroom fixtures, household hardware and the parts and castings of your furnace. They have sanded the furniture and the floors. They have even put the bevel on your mirrors and cut the beautiful figures in your cut glass—ground, finished and polished your table ware.

The truth is there is practically no industry which does not, somewhere employ abrasives, super refractories or "GLOBAR" electric heating elements by "CARBORUNDUM." Applying "CARBORUNDUM" engineering knowledge to various industrial problems can be a fascinating career. If you are interested, please write The Carborundum Company, Niagara Falls, N. Y.



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Campus News

RESEARCH AND ENGINEERING KEEP GENERAL ELECTRIC YEARS AHEAD

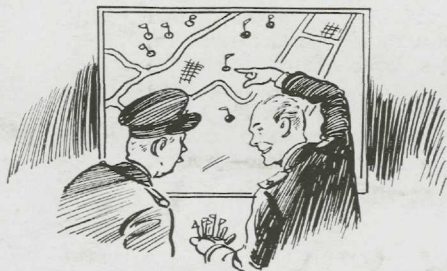


HOSPITAL ON WHEELS

SOME PEOPLE—perhaps when they're very young—have a touch of tuberculosis. It may be just a spot on their lungs, which hardens and never causes any trouble. On the other hand, thirteen people out of a thousand, when examined by X ray, show evidence of reinfection tuberculosis. This does cause trouble unless it's treated at once.

G-E photo-roentgen units make it possible for public health and welfare organizations to reach and examine, not only thousands of persons in large cities, but in rural areas and thinly settled sections as well.

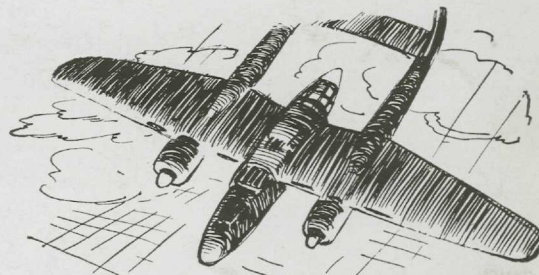
Forty-five to sixty chest X rays an hour is the record of mobile units designed and built by the G-E X-Ray Corporation. As each person takes his turn in the bus-like vehicle, a small fast-lens camera transfers his chest image from the standard size fluorescent screen onto a supersensitive 4 x 5 inch X-ray film.



MAGNETIC MAP MARKERS

LOCATING an enemy position or tracing the course of our own convoy is a war job of the alnico magnet. Both Army and Navy use G-E sintered alnico as magnetic map markers—with its aid keep abreast of vital information.

Alnico is an alloy—of aluminum, nickel, cobalt, and iron—with greater magnetic power than any other known material. To make sintered magnets G.E. begins by pressing powders of all these metals. After heating and wet grinding, one surge of current makes alnico a permanent magnet. And with a piece of steel behind the wall map, the markers can move around but won't fall off.



DEATH FROM A P-61

SOMEWHERE in the European theater of operations there is a squadron group called the Green Bats, whose Northrop P-61 Black Widow planes carry as their insignia a green bat against a yellow moon.

These Widows fight by night—with G-E remote-control gunfire. Once they let loose, the four electrically-operated .50 calibre guns can swing a deadly barrage on their target. Each plane has two sighting stations. A gunner at either of them—or the pilot himself—can take a turn at building up the high score of enemy planes downed. In the two months following D-Day it totaled 400 for the Bats—and groups like them. General Electric Company, Schenectady 5, N. Y.

Hear the G-E radio programs: "The G-E All-girl Orchestra," 10:00 p.m. EWT, NBC—"The World Today" news, 6:45 p.m. EWT, CBS—"The G-E House Party," 4:00 p.m. EWT, CBS.

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